



FACILITY COMPLIANCE INSPECTION REPORT

Division of Waste Management

Solid Waste Section

UNIT TYPE:

Lined MSWLF		LCID		YW		Transfer		Compost		SLAS		COUNTY: Durham PERMIT NO.: 32-05 FILE TYPE: COMPLIANCE
Closed MSWLF		HHW		White goods		Incin		T&P	X	FIRM		
CDLF		Tire T&P / Collection		Tire Monofill		Industrial Landfill		DEMO		SDTF		

Date of Site Inspection: January 8, 2014 **Date of Last Inspection:** December 13, 2012

FACILITY NAME AND ADDRESS:

B&B Top Soil Mine, Inc. Treatment and Processing Facility
1800 Hamlin Road
Durham, NC 27704

GPS COORDINATES: N: 36.05694 E: -78.85342

FACILITY CONTACT NAME AND PHONE NUMBER:

Billy Andrews, Vice President
B&B Top Soil Mine, Inc.
w. 919-477-6328
c. 919-998-8832
f. 919-471-4857
www.bandbtopsoilmine.com
bandbtopsoil@aol.com

FACILITY CONTACT ADDRESS:

Billy Andrews
B&B Top Soil Mine, Inc.
1800 Hamlin Road
Durham, NC 27704

PARTICIPANTS

John Patrone, Environmental Senior Specialist - Solid Waste Section (SWS)
Billy Andrews, Vice President - B&B Top Soil Mine, Inc.
Brandon Andrews, Operator - B&B Top Soil Mine, Inc.
William (Brenn) Andrews, Office Manager - B&B Top Soil Mine, Inc.

STATUS OF PERMIT:

Permit To Operate (PTO) issued November 4, 2009
PTO expiration date November 4, 2014

PURPOSE OF SITE VISIT:

Comprehensive Inspection

STATUS OF PAST NOTED VIOLATIONS:

None

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OBSERVED VIOLATIONS

None

The item(s) listed above were observed by Section staff and require action on behalf of the facility in order to come into or maintain compliance with the Statutes, Rules, and/or other regulatory requirements applicable to this facility. Be advised that pursuant to N.C.G.S. 130A-22, an administrative penalty of up to \$15,000 per day may be assessed for each violation of the Solid Waste Laws, Regulations, Conditions of a Permit, or Order under Article 9 of Chapter 130A of the N.C. General Statutes. Further, the facility and/or all responsible parties may be subject to enforcement actions including penalties, injunction from operation of a solid waste management facility or a solid waste collection service and any such further relief as may be necessary to achieve compliance with the North Carolina Solid Waste Management Act and Rules.

ADDITIONAL COMMENTS

On January 8, 2014, John Patrone met with Billy Andrews, Brandon Andrews, and Brenn Andrews to conduct a comprehensive inspection of the B&B Top Soil Mine, Inc. Treatment and Processing Facility on Hamlin Road in Durham, Durham County.

1. The facility is a treatment and processing (TP) facility. High carbon:nitrogen ratio land clearing debris is managed via Dry Method active processing utilizing aerobic conditions and limited moisture.
2. The facility permit, site plan, and operations plan were discussed.
3. The facility is in operation Monday through Friday 7:30 am to 5:00 pm and Saturday 7:30 am to 12:00 pm.
4. Material is formed into long rows/piles. The rows/piles are left in-place allowing vegetation to grow atop. Material decays in two to five years. The decayed material/soil when processed is mixed with leaves and screened. If required, additional material is added for specific soil blends.
5. The soil is sold to the public, landscapers, and builders.
6. Woody material screened-out from the soil, needing more time to break-down, is staged to return to the Dry Method active process.
7. The facility has received material from Durham, Granville, Orange, and Person Counties.
8. The facility is permitted to receive high carbon:nitrogen ratio yard waste, sawdust, wood fibers, mill residue from pressboard and chipboard, land clearing debris, and untreated, unpainted, and unglued wood wastes.
9. Leaves are received and stored for soil amendment.
10. Mr. Andrews stated that there is ~ 1,400 yd³ of leaves on site and that the leaves are turned accordingly.
11. Grass clippings shall not be received.
12. Currently, leaves are the only material routinely incorporated into soil.
13. During the fall mulched leaves are purchased for resale. Mulched leaves are stored adjacent to leaves received for soil amendment.
14. Mr. Andrews stated that there is ~ 1500 yd³ of mulched leaves on site and that the leaves are turned monthly. It is expected that the mulched leaves will be sold by June 2014.
15. Long needle pine straw, various mulch types, and fine-screened soil is purchased for resale. The materials are stored in cement block bays adjacent to the maintenance building.
16. Firewood is cut on site from logs and stored in one of the bays adjacent to the maintenance building.
17. The facility design capacity is 20,000 tons per year (TPY).
18. The facility has calculated that 1 yd³ high carbon:nitrogen ratio material generates 0.5 yd³ soil.
19. The facility annual report (FAR) for July 2012 through June 2013 was received by SWS on August 6, 2013. The facility received 1,503.60 tons of high carbon:nitrogen ratio material. There was 6,648.12 tons of high carbon:nitrogen ratio material on site prior to the fiscal year. During that time, the facility sold 1,901.80 tons of soil. A total of 6,250.92 tons of material was on site at the end of the fiscal year.
20. Truck capacity, inbound and outbound, for all materials ranges from a pick-up truck = ~ 2 yd³ to a \geq 31' trailer = ~ 40 yd³. The most common types of trucks are the tandem-axle = 12 yd³ and tri-axel = 16 – 18 yd³.
21. The facility maintains records of material received and shipped-out. Records were verified for January through December 2013. The facility records the amount of material in yd³ (per the number of trucks and the capacity of each truck via a dump ticket) and divides by 5 in order to obtain tonnage.

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22. It is estimated that the Dry Method operation encompasses 20 acres.
23. The facility appeared to maintain a 50 foot buffer from property lines.
24. The Dry Method row/pile size appeared to be < 50 feet wide and 30 feet high.
25. Mr. Andrews stated that the rows/piles at the left rear of the lot are atop a raised area/pad constructed with inert debris.
26. Ensure rows/piles are kept uniform and stray material is replaced.
27. Ponded water was not observed at the base of Dry Method rows/piles.
28. There was no indication of erosion or runoff.
29. The facility site plan indicates a flood ponding and settlement area running the length of the rear of the lot.
30. The Division of Water Quality (DWQ) issued the facility a General Permit (No. NCG210000) - Certificate of Coverage (No. NCG210383) - to discharge stormwater, effective January 8, 2014.
31. The facility maintains vehicle access lanes between rows/piles. Ensure lanes are wide enough for fire control equipment.
32. The Redwood Volunteer Fire Department will be contacted to respond to an emergency at the facility.
33. The facility has proper signage. Ensure contact phone numbers are updated accordingly.
34. The permit expiration date is November 4, 2014.
35. The permit renewal application should be submitted to the SWS ~ July 4, 2014.

Please contact me if you have any questions or concerns regarding this inspection report.



John Patrone
Environmental Senior Specialist
Regional Representative

Phone: 336-771-5095 Fax: 336-771-4631

Sent on: <u>January 13, 2014</u>	<input checked="" type="checkbox"/>	Email	<input type="checkbox"/>	Hand delivery	<input type="checkbox"/>	US Mail	<input type="checkbox"/>	Certified No. <u> </u>
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Copies:

- Jason Watkins, Western District Supervisor
- Sarah Rice, Compliance Officer
- Tony Gallagher, Composting and Land Applications Branch Head
- Liz Patterson, Environmental Technician
- Donna Wilson, Permitting Engineer

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Digital photographs taken January 8, 2014
by John Patrone, DWM – SWS

Material/soil screener



Soil stockpile



Rows/piles, left side of lot



Vehicle access road, left side of lot



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View towards left rear of lot, piles/rows atop raised area



Representative view: flood ponding and settlement area, prior to creek



Aged rows/piles, right side of lot



Vehicle access road to right side of lot

